

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES

MISSOURI CLEAN WATER COMMISSION



MISSOURI STATE OPERATING PERMIT

In compliance with the Missouri Clean Water Law, (Chapter 644 R.S. Mo. as amended, hereinafter, the Law), and the Federal Water Pollution Control Act (Public Law 92-500, 92nd Congress) as amended,

Permit No. MO-0120294

Owner: Beazer East, Inc.
Address: One Oxford Ctr, 301 Grant St., Ste 3000, Pittsburgh, PA 15219

Continuing Authority: Same as above
Address: Same as above

Facility Name: Former Koppers Facility
Address: 6740 Stadium Drive, Kansas City, MO 64129

Legal Description: See page 2

Receiving Stream: Unnamed Tributary to Blue River (U)
First Classified Stream and ID: Blue River (P)(00418)
USGS Basin & Sub-watershed No.: (10300101-010070)

is authorized to discharge from the facility described herein, in accordance with the effluent limitations and monitoring requirements as set forth herein:

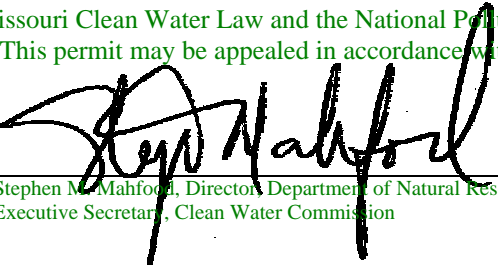
FACILITY DESCRIPTION

See page 2

This permit authorizes only wastewater discharges under the Missouri Clean Water Law and the National Pollutant Discharge Elimination System; it does not apply to other regulated areas. This permit may be appealed in accordance with Section 644.051.6 of the Law.

May 31, 2002
Effective Date

May 30, 2007
Expiration Date
MO 780-0041 (10-93)


Stephen M. Mahford, Director, Department of Natural Resources
Executive Secretary, Clean Water Commission

Director of Staff, Clean Water Commission

FACILITY DESCRIPTION (continued)

All Outfalls - Stormwater runoff from former woodtreating facility - SIC #2491
Design flow is 120 MGD.
All flows are dependent upon precipitation.

Outfall #002
Proposed to be eliminated

Outfall #004
Legal Description: NW $\frac{1}{4}$, NE $\frac{1}{4}$, Sec. 24, T49N, R33W, Jackson County

Outfall #005
Legal Description: SW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 13, T49N, R33W, Jackson County

Outfall #006
Legal Description: NW $\frac{1}{4}$, SE $\frac{1}{4}$, Sec. 13, T49N, R33W, Jackson County

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS					PAGE NUMBER 3 of 6	
					PERMIT NUMBER MO-0120294	
The permittee is authorized to discharge from outfall(s) with serial number(s) as specified in the application for this permit. The final effluent limitations shall become effective upon issuance and remain in effect until expiration of the permit. Such discharges shall be controlled, limited and monitored by the permittee as specified below:						
OUTFALL NUMBER AND EFFLUENT PARAMETER(S)	UNITS	FINAL EFFLUENT LIMITATIONS			MONITORING REQUIREMENTS	
		DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
<u>All Outfalls</u> (Note 1)						
Flow	MGD	*		*	once/month	24 hr. estimate
Oil & Grease	mg/L	15		10	once/month	grab***
Acenaphthene	µg/L	5		5	once/month	grab***
Acenaphthylene	µg/L	5		5	once/month	grab***
Anthracene	µg/L	5		5	once/month	grab***
Benzene	µg/L	**		**	once/month	grab***
Settleable Solids	mL/L/hr	1.5		1.0	once/month	grab***
Benzo (a) anthracene	µg/L	5		5	once/month	grab***
Benzo (b) fluoranthene	µg/L	5		5	once/month	grab***
Benzo (k) fluoranthene	µg/L	5		5	once/month	grab***
Benzo (a) pyrene	µg/L	5		5	once/month	grab***
pH - Units	SU	****		****	once/month	grab***
Carbazole	µg/L	*		*	once/month	grab***
p-chloro-m-cresol	µg/L	*		*	once/month	grab***
Chrysene	µg/L	5		5	once/month	grab***
2-Methylphenol (o-cresol)	µg/L	*		*	once/month	grab***
3-Methylphenol (m-cresol)	µg/L	*		*	once/month	grab***
4-Methylphenol (p-cresol)	µg/L	*		*	once/month	grab***
Dibenzo (a, h) anthracene	µg/L	5		5	once/month	grab***
Dibenzofuran	µg/L	*		*	once/month	grab***
4, 6-dinitro-o-cresol	µg/L	765		765	once/month	grab***
Ethylbenzene	µg/L	320		320	once/month	grab***
MONITORING REPORTS SHALL BE SUBMITTED <u>QUARTERLY</u> ; THE FIRST REPORT IS DUE <u>October 28, 2002</u> . THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.						
B. STANDARD CONDITIONS						
IN ADDITION TO SPECIFIED CONDITIONS STATED HEREIN, THIS PERMIT IS SUBJECT TO THE ATTACHED <u>Part I</u> STANDARD CONDITIONS DATED <u>October 1, 1980</u> , AND HEREBY INCORPORATED AS THOUGH FULLY SET FORTH HEREIN.						

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS					PAGE NUMBER 4 of 6	
					PERMIT NUMBER MO-0120294	
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		DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
<u>All Outfalls</u> (Note 1)						
Fluoranthene	µg/L	5		5	once/month	grab***
Fluorine	µg/L	5		5	once/month	grab***
Indeno (1,2,3-cd) pyrene	µg/L	5		5	once/month	grab***
2-methlynaphthalene	µg/L	5		*	once/month	grab***
Naphthalene	µg/L	5		*	once/month	grab***
Pentachlorophenol	µg/L	5		*	once/month	grab***
Phenanthrene	µg/L	5		*	once/month	grab***
Phenol	µg/L	**		**	once/month	grab***
Pyrene	µg/L	5		5	once/month	grab***
2,3,4,6-tetrachlorophenol	µg/L	*		*	once/month	grab***
2,3,7,8-TCDD (Dioxin)	µg/L	**		**	once/month	grab***
Toluene	µg/L	*		*	once/month	grab***
Xylenes, Total	µg/L	*		*	once/month	grab***
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MO 780-0010 (8/91)

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)

- * Monitoring requirement only.
- ** Monthly limitation is 2.5 times the quantification level set by standard methods. Daily limit is 1.5 time the monthly limit.
- *** A **representative** grab sample shall be collected during a rainfall that results in a discharge.
- **** pH is measured in pH units and is not to be averaged. The pH is limited to the range of 6.0-9.0 pH units.

Note 1 - These requirements do not supersede nor remove liability for compliance with county and other local ordinances.

C. SPECIAL CONDITIONS

1. This permit may be reopened and modified, or alternatively revoked and reissued, to:
 - (a) Comply with any applicable effluent standard or limitation issued or approved under Sections 301(b)(2)(C) and (D), 304(b)(2), and 307(a) (2) of the Clean Water Act, if the effluent standard or limitation so issued or approved:
 - (1) contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
 - (2) controls any pollutant not limited in the permit.
 - (b) Incorporate new or modified effluent limitations or other conditions, if the result of a waste load allocation study, toxicity test or other information indicates changes are necessary to assure compliance with Missouri's Water Quality Standards.
 - (c) Incorporate new or modified effluent limitations or other conditions if, as the result of a watershed analysis, a Total Maximum Daily Load (TMDL) limitation is developed for the receiving waters which are currently included in Missouri's list of waters of the state not fully achieving the state's water quality standards, also called the 303(d) list.

The permit as modified or reissued under this paragraph shall also contain any other requirements of the Clean Water Act then applicable.

2. All outfalls must be clearly marked in the field.
3. Report as no-discharge when a discharge does not occur during the report period.
4. General Criteria. The following water quality criteria shall be applicable to all waters of the state at all times including mixing zones. No water contaminant, by itself or in combination with other substances, shall prevent the waters of the state from meeting the following conditions:
 - (a) Waters shall be free from substances in sufficient amounts to cause the formation of putrescent, unsightly or harmful bottom deposits or prevent full maintenance of beneficial uses;
 - (b) Waters shall be free from oil, scum and floating debris in sufficient amounts to be unsightly or prevent full maintenance of beneficial uses;
 - (c) Waters shall be free from substances in sufficient amounts to cause unsightly color or turbidity, offensive odor or prevent full maintenance of beneficial uses;
 - (d) Waters shall be free from substances or conditions in sufficient amounts to result in toxicity to human, animal or aquatic life;
 - (e) There shall be no significant human health hazard from incidental contact with the water;
 - (f) There shall be no acute toxicity to livestock or wildlife watering;
 - (g) Waters shall be free from physical, chemical or hydrologic changes that would impair the natural biological community;
 - (h) Waters shall be free from used tires, car bodies, appliances, demolition debris, used vehicles or equipment and solid waste as defined in Missouri's Solid Waste Law, section 260.200, RSMo, except as the use of such materials is specifically permitted pursuant to section 260.200-260.247.
5. Permittee shall designate an individual as responsible for environmental matters. Provide for inspection by facility staff, weekly, of any structures that function to prevent pollution from stormwater or to remove pollutants from stormwater and of the facility in general to ensure that any Best Management Practices are continually implemented and effective. Records of inspections must be kept and made available to DNR upon request.

C. SPECIAL CONDITIONS (continued)

6. All discharges shall comply with the Missouri Water Quality Standards, 10 CSR 20-7.031, Section (3)(C), which states "waters shall be free from substance in sufficient amounts to cause unsightly color or turbidity...", and Section (4)(G), which states "water contaminants shall not cause or contribute to turbidity of color that will cause substantial visible contact with the natural appearance of the stream...".
7. Permittee shall notify the department in writing to request and obtain a permit modification before groundwater is pumped and discharged. This special condition is included to insure that this contaminated water is first treated and then tested before being discharged.
8. If any of the sampling results from any of the outfalls show any violation of the permit discharge limitations, written notification shall be made to the Department of Natural Resources within five (5) days of notification of analytical results. Notification shall indicate the date(s) of sample collection, the analytical results, and permit number, and shall include a statement concerning the revisions or modifications in management practices that are being implemented to address the violation of the limitations that occurred.

After a violation has been reported, a sample of stormwater runoff resulting from the next rainfall greater than 0.1 inches shall be collected at outfall(s) for which the violation occurred. Analytical results of this sample shall be submitted in writing to the Department of Natural Resources (this paragraph supercedes Part I, Section B: e. A. Noncompliance Notification.)

Monitoring reports shall be submitted within 28 days after the end of each quarter or Year as required by the permit. All sampling data shall be maintained by the permittee for a period of five (5) years and shall be supplied to the department upon written request (supersedes Part I, Section A:7. Records Retention.) A copy of all of the sampling data must be submitted with an application of reissuance of this permit.